

# PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 2-20-01 are:

- A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B. ☐ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:                  Black ink. Color.                  Color drawings are not acceptable until petition is granted. Fig(s) _____                  Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)                  1 full-tone set is required. Fig(s) _____                  Photographs may not be mounted. 37 CFR 1.84(e)                  Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)                  Paper not flexible, strong, white, and durable. Fig(s) _____                  Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____                  Mylar, velum paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:                  21.0 cm by 29.7 cm (DIN size A4)                  21.6 cm by 27.9 cm (8 1/2 x 11 inches)                  All drawing sheets not the same size. Sheet(s) _____                  Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:                  Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm                  SIZE: A4 Size                  Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm                  SIZE: 8 1/2 x 11                  Margins not acceptable. Fig(s) <u>30, 63, 79, 94, 130, 132</u>                  Top (T) _____ Left (L) _____                  Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h)                  REMINDER: Specification may require revision to correspond to drawing changes.                  Partial views. 37 CFR 1.84(h)(2)                  Brackets needed to show figure as one entity. Fig(s) _____                  Views not labeled separately or properly. Fig(s) _____                  Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)                  Hatching not indicated for sectional portions of an object. Fig(s) _____                  Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)                  Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)                  Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(i)                  Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)                  Solid black areas pale. Fig(s) _____                  Solid black shading not permitted. Fig(s) _____                  Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)                  Numbers and reference characters not plain and legible. Fig(s) _____                  Figure legends are poor. Fig(s) _____                  Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____                  English alphabet not used. 37 CFR 1.84(p)(2) Figs _____                  Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)                  Lead lines cross each other. Fig(s) _____                  Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)                  Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)                  Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)                  Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152                  Surface shading shown not appropriate. Fig(s) _____                  Solid black shading not used for color contrast. Fig(s) _____</p>
<p>COMMENTS</p>	

REVIEWER J. C. Adams DATE 10-24-01 TELEPHONE NO. 703 365 8430

ATTACHMENT TO PAPER NO. \_\_\_\_\_